

Lampiran

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```
# run analysis
#runanalysis;

# get power with transmission box
Pabs_box=getresult("trans_box","T");

# get power by spatially integrating the absorption
# use standard technique
m="pabs";
Pabs_standard=getresult(m,"Pabs_total");

# get power by spatially integrating the absorption
# use advanced technique
m="pabs_adv";
Pabs_advanced=getresult(m,"Pabs_total");

# plot absorption spectrum
f=Pabs_box.f;
plot(c/f*1e6,Pabs_advanced.Pabs_total,
"wavelength (um)","Power","Absorption");
legend("Absorption");
Pfin=Pabs_advanced.Pabs_total;
```

```
# plot one cross section of the absorption profile
m="pabs";
Pabs=getresult(m,"Pabs");
image(Pabs.x*1e9,Pabs.z*1e9,
pinch(pinch(Pabs.Pabs,4,18),2,find(Pabs.y,0)),
"x (nm)","z (nm)","Absorption profile");
```